IN THE CLAIMS

1. (original) A surgical tether for orthopedic treatment to secure to two adjacent bone

portions, said tether comprising:

a cord having a tensile strength sufficient to maintain a desired distance or orientation of

the two bone portions;

a first sheath substantially encasing the cord, said first sheath comprising a plurality of

fibers and providing an abrasion resistant coating to the cord;

a radiopaque element; and

optionally, a second sheath, said second sheath substantially encasing the first sheath.

2. (previously presented) The tether of claim 1 wherein the cord is slidably received

within the second outer sheath.

3. (original) The tether of claim 1 wherein the cord is elongate and defines a

longitudinal axis and wherein the cord is free to move longitudinally with respect to the first

sheath.

4. (previously presented) The tether of claim 1 wherein the first and second sheaths are

frictionally engaged with each other.

5. (original) The tether of claim 1 wherein the cord consists of a single fiber.

6. (original) The tether of claim 1 wherein the cord comprises a plurality of fibers.

7. (original) The tether of claim 6 wherein the plurality of fibers are braided to provide

the cord.

8. (withdrawn) The tether of claim 7 wherein the radiopaque element comprises a single

radiopaque filament woven in the plurality of fibers.

9. (previously presented) The tether of claim 6 wherein the plurality of fibers are

braided to provide the first sheath.

10. (original) The tether of claim 1 wherein the radiopaque element comprises barium

sulfate.

11. (original) The tether of claim 1 wherein the first sheath comprises a radiopaque

element.

12. (withdrawn) The tether of claim 1 wherein the radiopaque element comprises a

single radiopaque filament woven in the plurality of filaments.

13. (original) The tether of claim 1 wherein the radiopaque element comprises a

plurality of radiopaque filaments.

14. (previously presented) The tether of claim 1 wherein the radiopaque element

comprises one or more radiopaque filaments spirally wound around at least one of the cord, the

first sheath, or the second sheath.

15. (original) The spinal tether of claim 1 comprising the optional second sheath

substantially encasing the first sheath wherein second sheath is not fixedly secured to either the

cord or the first sheath.

16. (original) The tether of claim 15 wherein the second sheath comprises a plurality of

braided fibers.

17. (withdrawn) The tether of claim 15 wherein the radiopaque fiber is embedded within

the second sheath.

18. (previously presented) The tether of claim 1 wherein the cord is elongate and defines

a longitudinal direction and the second sheath is free to move longitudinally with respect to the

first sheath or the cord.

19. (original) The tether of claim 1 wherein the tether is attached to a plurality of bone

portions.

20. (original) The tether of claim 1 wherein the cord or the first sheath or both are

composed of an elastomeric material.

21. (previously presented) The tether of claim 1 wherein said tether secures to at least a

first and second vertebrae.

22. (previously presented) The tether of claim 1 wherein said tether secures to at least an

articulating joint.

23. (original) The tether of claim 1 wherein the cord and the first sheath are flexible.

24. (original) The tether of claim 1 wherein the cord is composed of a polymeric

material selected from the group consisting of: polyethylene, ultra high molecular weight

polyethylene, polypropylene, fluoropolymers, polytetrafluoroethylene, polyamides, polyethylene

terephthalate, polyesters, polyaramid, silicon rubbers, polyurethane, polyvinylchloride.

25. (original) The tether of claim 24 wherein the first sheath is composed of a material

different from the cord.

26. (original) The tether of claim 25 wherein the first sheath is composed of a material

selected from the group consisting of: polyethylene, polypropylene, fluoropolymers,

polytetrafluoroethylene, polyamides, polyethylene terephthalate, polyesters, polyaramid, silicon

rubbers, polyurethane, polyvinylchloride.

27. (original) The tether of claim 1 wherein the cord and first sheath are composed of a

biodegradable material.

28. (original) The tether of claim 1 wherein the cord and first sheath are composed of a

non-biodegradable material.

29. (original) The tether of claim 1 comprising a first bone fastener and a second bone

fastener to secure the tether to the two bone portions.

30. (original) The tether of claim 29 wherein the first and second bone fasteners secure

the cord to the first and second bone portions.

31. (original) The tether of claim 30 wherein the first sheath is not secured to the two

bone portions.

32. (original) The tether of claim 30 comprising the second sheath and wherein the

second sheath is not secured to the two or more bone portions.

33. (original) The tether of claim 1 wherein the radiopaque element is composed of a

biocompatible metallic fiber.

34. (original) The tether of claim 33 wherein the radiopaque element is composed of a

material selected from the group consisting of: nitinol, titanium, titanium-vanadium-aluminum

alloy, cobalt-chromium alloy, cobalt-chromium-molybdenum alloy, cobalt-nickel-chromium-

molybdenum alloy, stainless steel, tantalum, niobium, hafnium, tungsten, gold, silver, platinum,

and iridium metals, alloys, and mixtures thereof.

35. (original) The tether of claim 1 wherein the radiopaque element exhibits an effective

duration in vivo of between about one month and about 5 years.

36. (previously presented) A surgical tether for orthopedic treatment to secure to two

adjacent bone portions, said tether comprising:

a cord having a tensile strength sufficient to maintain a desired distance or orientation of

the two bone portions;

a first sheath substantially encasing the cord, said first sheath comprising a plurality of

fibers and providing an abrasion resistant coating to the cord; and

means for imparting radiopacity to the tether.

37. (original) A surgical tether for orthopedic treatment to secure adjacent bone

portions, said tether comprising:

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a cord having a tensile strength sufficient to maintain a desired distance or orientation of

the bone portions;

a first sheath substantially encasing the cord, said first sheath comprising a plurality of

fibers;

a radiopaque filament engaged with either the cord or the first sheath; and

means for attaching the first sheath to the cord to provide an abrasion resistant coating to

the cord.

38-58. (cancelled)

59. (new) A surgical tether for orthopedic treatment to secure to two adjacent bone

portions, said tether comprising:

an innermost central cord made of multiple filaments having a tensile strength of about

2000 N or more, to maintain a desired distance or orientation of the two bone portions, said

innermost central cord bearing a load between the two bone portions;

a first sheath of woven fibers that substantially encases said cord, said first sheath being

an outer abrasion resistant coating to the cord and being movable with respect to said cord both

prior to and after implantation; and

a radiopaque fiber separate from said cord and said sheath, said radiopaque fiber

contacting at least one of said cord and said sheath.

60.	(new)	The tether	of claim 59	, whereir	n said radioj	paque fiber	is placed bet	ween
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